

# Logic Control Industrial/Machine Tool Relays

### CR120B

600 V  
10 Amperes Continuous  
60 Hz

#### Application

The CR120B and CR120BL Series A, multi-circuit industrial relays are designed to meet most panel application requirements. They are available as standard or latched relays.

Industrial relays may be ordered as complete devices from the pricing tables with the NO and NC pole combination desired. The relay components may also be purchased separately and assembled in standard or latched forms (see Standard Components, page 10-18).

All forms of the relay mount on the same base, and in the same small panel-mounting area. Relays may be arranged in any configuration, or modified on a panel without altering the mounting area.

#### Features

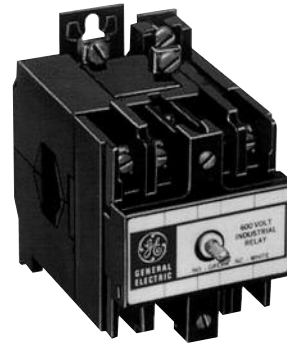
- Bifurcated contacts assure positive make: unique bifurcated contacts assure positive make at all voltages and give excellent fidelity even in harsh environments.
- Transparent Lexan®: contact cartridges allows inspection of contacts.
- Convertible contacts: allows conversion from normally open to normally closed, or vice versa. Just change the terminal screws and invert the contact module.
- Quick-change coil: can be changed without removing any screws.

#### Product Number Selection Instructions

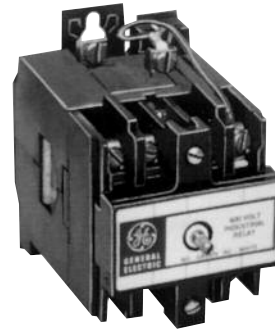
1. Specify by complete product number, including coil suffix in place of \*\* or ††.  
Example: For a six-pole relay with four-NO and two-NC poles, a coil operating on 120 Volts, 60 Hertz, order CR120B04202 (complete relay), at **\$132.00, GO-10G4**. Or order the following components for customer mounting: CR120B00002 (base relay assembly), at **\$48.00, GO-10G4**; CR120BX3 (adder deck), at **\$12.00, GO-10G4**; and five CR120BX1 (contacts), at **\$12.00 (each), GO-10G4**.
2. NEMA Type 1 enclosures are available for CR120B relays.  
For pricing, see page 10-19.

#### Reference Publications

AC Relays Instructions	GEH-4115
Latch Relays Instructions	GEH-4120



CR120B Standard AC Relay



CR120BD Standard DC Relay



CR120BL Latched Relay



# Logic Control Industrial/Machine Tool Relays

## CR120B, CR120BD, CR120BL

AC Operated Relays/DC Operated Relays/AC Operated Latch Relays

### CR120B AC Operated Relays

No. of Poles	Contact Configuration	Product Number	List Price GO-10G4
2	0 NO 2 NC	CR120B002**	\$84.00
2	1 NO 1 NC	CR120B011**	\$84.00
2	2 NO 0 NC	CR120B020**	\$72.00
3	0 NO 3 NC	CR120B003**	\$96.00
3	1 NO 2 NC	CR120B012**	\$96.00
3	2 NO 1 NC	CR120B021**	\$96.00
3	3 NO 0 NC	CR120B030**	\$84.00
4	0 NO 4 NC	CR120B004**	\$108.00
4	1 NO 3 NC	CR120B013**	\$108.00
4	2 NO 2 NC	CR120B022**	\$108.00
4	3 NO 1 NC	CR120B031**	\$108.00
4	4 NO 0 NC	CR120B040**	\$96.00
6	0 NO 6 NC	CR120B006**	\$132.00
6	1 NO 5 NC	CR120B015**	\$132.00
6	2 NO 4 NC	CR120B024**	\$132.00
6	3 NO 3 NC	CR120B033**	\$132.00
6	4 NO 2 NC	CR120B042**	\$132.00
6	5 NO 1 NC	CR120B051**	\$132.00
6	6 NO 0 NC	CR120B060**	\$120.00
8	0 NO 8 NC	CR120B008**	\$156.00
8	1 NO 7 NC	CR120B017**	\$156.00
8	2 NO 6 NC	CR120B026**	\$156.00
8	3 NO 5 NC	CR120B035**	\$156.00
8	4 NO 4 NC	CR120B044**	\$156.00
8	5 NO 3 NC	CR120B053**	\$156.00
8	6 NO 2 NC	CR120B062**	\$156.00
8	7 NO 1 NC	CR120B071**	\$156.00
8	8 NO 0 NC	CR120B080**	\$144.00
10	2 NO 8 NC	CR120B028**	\$180.00
10	4 NO 6 NC	CR120B046**	\$180.00
10	6 NO 4 NC	CR120B064**	\$180.00
10	8 NO 2 NC	CR120B082**	\$180.00
10	10 NO 0 NC	CR120B100**	\$168.00
12	4 NO 8 NC	CR120B048**	\$204.00
12	6 NO 6 NC	CR120B066**	\$204.00
12	8 NO 4 NC	CR120B084**	\$204.00
12	10 NO 2 NC	CR120B102**	\$204.00
12	12 NO 0 NC	CR120B120**	\$192.00

\*\*Insert coil number from appropriate suffix table to complete product number.

### CR120BL AC Operated Latched Relay

No. of Poles	Contact Configuration	Product Number	List Price GO-10G4
2	0 NO 2 NC	CR120BL002**	\$185.00
2	1 NO 1 NC	CR120BL011**	\$185.00
2	2 NO 0 NC	CR120BL020**	\$172.00
3	0 NO 3 NC	CR120BL003**	\$198.00
3	1 NO 2 NC	CR120BL012**	\$198.00
3	2 NO 1 NC	CR120BL021**	\$198.00
3	3 NO 0 NC	CR120BL030**	\$185.00
4	0 NO 4 NC	CR120BL004**	\$211.00
4	1 NO 3 NC	CR120BL013**	\$211.00
4	2 NO 2 NC	CR120BL022**	\$211.00
4	3 NO 1 NC	CR120BL031**	\$211.00
4	4 NO 0 NC	CR120BL040**	\$198.00
6	0 NO 6 NC	CR120BL006**	\$238.00
6	1 NO 5 NC	CR120BL015**	\$238.00
6	2 NO 4 NC	CR120BL024**	\$238.00
6	3 NO 3 NC	CR120BL033**	\$238.00
6	4 NO 2 NC	CR120BL042**	\$238.00
6	5 NO 1 NC	CR120BL051**	\$238.00
6	6 NO 0 NC	CR120BL060**	\$224.00
8	0 NO 8 NC	CR120BL008**	\$264.00
8	1 NO 7 NC	CR120BL017**	\$264.00
8	2 NO 6 NC	CR120BL026**	\$264.00
8	3 NO 5 NC	CR120BL035**	\$264.00
8	4 NO 4 NC	CR120BL044**	\$264.00
8	5 NO 3 NC	CR120BL053**	\$264.00
8	6 NO 2 NC	CR120BL062**	\$264.00
8	7 NO 1 NC	CR120BL071**	\$264.00
8	8 NO 0 NC	CR120BL080**	\$251.00

\*\*Insert coil number from appropriate suffix table to complete product number.

### CR120BD DC Operated Relays

No. of Poles	Contact Configuration	Product Number	List Price GO-10G4
2	0 NO 2 NC	CR120BD002††	\$120.00
2	1 NO 1 NC	CR120BD011††	\$120.00
2	2 NO 0 NC	CR120BD020††	\$108.00
3	0 NO 3 NC	CR120BD003††	\$132.00
3	1 NO 2 NC	CR120BD012††	\$132.00
3	2 NO 1 NC	CR120BD021††	\$132.00
3	3 NO 0 NC	CR120BD030††	\$120.00
5	0 NO 5 NC	CR120BD005††	\$156.00
5	1 NO 4 NC	CR120BD014††	\$156.00
5	2 NO 3 NC	CR120BD023††	\$156.00
5	3 NO 2 NC	CR120BD032††	\$156.00
5	4 NO 1 NC	CR120BD041††	\$156.00
5	5 NO 0 NC	CR120BD050††	\$144.00
7	0 NO 7 NC	CR120BD007††	\$180.00
7	1 NO 6 NC	CR120BD016††	\$180.00
7	2 NO 5 NC	CR120BD025††	\$180.00
7	3 NO 4 NC	CR120BD034††	\$180.00
7	4 NO 3 NC	CR120BD043††	\$180.00
7	5 NO 2 NC	CR120BD052††	\$180.00
7	6 NO 1 NC	CR120BD061††	\$180.00
7	7 NO 0 NC	CR120BD070††	\$168.00
9	2 NO 7 NC	CR120BD027††	\$204.00
9	3 NO 6 NC	CR120BD036††	\$204.00
9	5 NO 4 NC	CR120BD054††	\$204.00
9	7 NO 2 NC	CR120BD072††	\$204.00
9	9 NO 0 NC	CR120BD090††	\$192.00
11	8 NO 3 NC	CR120BD083††	\$228.00
11	6 NO 5 NC	CR120BD065††	\$228.00
11	4 NO 7 NC	CR120BD047††	\$228.00
11	11 NO 0 NC	CR120BD110††	\$216.00

†† Insert coil number from appropriate suffix table to complete product number. An additional pole is automatically included in the coil circuit of DC relays.

### \*\*AC Coil Suffix Table

Frequency	120 V/110 V	230 V	460 V/380
60 Hz/50 Hz	02	03 <sup>1</sup>	04 <sup>1</sup>

<sup>1</sup>60 Hz only.

Insert where \*\* appears in product number, AC relays only.

### ††DC Coil Suffix Table

24 V	48 V	125V
48	49	41

Insert where †† appears in product number, DC relays only.

### Technical Data

#### Coil Data

	Inrush VA	Sealed VA	Sealed Watts
AC Relay Coil	120	15	7
AC Unlatch Coil	31	15	9.2

#### Contact Ratings-All Relays

Maximum Voltage	AC Continuous Rating Ampere	Max. AC Voltampere Rating Make	Max. AC Rating Amps Break
600 VAC	10	7200	720 60 6



Publications and Reference: See Section 17 for a complete list of additional product-related publications